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37 CFR 1.138**

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mail to: Mail Stop Express Abandonment
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/627,939
Filing Date	July 25, 2003
First Named Inventor	Michael Robert Samuels, Et Al.
Art Unit	3742
Examiner Name	Quang T. Van
Attorney Docket Number	AD6900US

Please check only one of boxes 1 or 2 below:*(If no box is checked, this paper will be treated as a request for express abandonment as if box 1 is checked.)***1. Express Abandonment**

I request that the above-identified application be expressly abandoned as of the filing date of this paper.

2. Express Abandonment in Favor of a Continuing Application

I request that the above-identified application be expressly abandoned as of the filing date accorded the continuing application filed previously or herewith.

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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96) attorney or agent of record. Attorney or agent registration number is 30,396 attorney or agent acting under 37 CFR 1.34, who is authorized under 37 CFR 1.138(b) because
the application is expressly abandoned in favor of
a continuing application (box 2 above must be checked). Attorney or agent registration number
is _____

Signature

ARNE R. JARNHOLM

Typed or printed name

4-02-07

Date

(302) 992-2394

Telephone Number

Note: Signature of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 Total of _____ forms are submitted.

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11438516 AD6900USCNT Express Abandonment	
Page <u>1</u> of <u>2</u>	
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PAGE 1/2 * RCVD AT 4/2/2007 11:05:40 AM [Eastern Daylight Time] * SYR:USPTO-EFXRF-3/17 * DNX:273800 * CSID:302 992 3257 * DURATION (min:ss) 01:10	



DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Mike J. Molitor

Date : 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave

Date : 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 08:03:05 PM	Name: Adcock, Dave Pre-Sig Hash: 4004778267da1f14aed9d10dd217ba30817d5b91
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Justification	

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Justification	

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Sample # D100052	13-1	13-2
Zenite 6000	55	
Jetfil Talc 575C	37	
Carbon fiber Sigrapil	8	

Leb

E. I. du Pont de Nemours and Company
60-C DATE 10-30-06

PURPOSE Comp E 110149-77

JRN. 2006 - 650	DATE 10-30-06	TECHNICIAN	AREA	NOTEBOOK/PC
RESEARCHER	M. J. KEEHILL			E-110149-77
BARREL	200	SCREW	SCREENS	
DIE	"	SIZE	ADAPTERS	TYPE
POLYMER	ZENITE	FEED	ADAPTERS	TOP/11-F6/12
INTERLOCKS CHECKED			CHARGE CODE	
			RUN STARTED	COMPLETED

AUXILIARY EQUIPMENT USED
BELT & AIR CUTTER + VACUUM DRAVE TO
BLADE RECUPERATOR 2A3/F100-6

SAMPLE #	#1	#2					
TIME	SET PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
1-1							
BARREL 2	320	374	352				
BARREL 3	340	309	309				
BARREL 4	360	304	285				
BARREL 5	340	309	274				
BARREL 6	340	317	256				
BARREL 7	340	370	338				
BARREL 8	340	371	379				
BARREL 9	340	370	379				
BARREL 10							
BARREL 11							
BARREL 12							
BARREL 13							
DRYER	350	318	328				
ADAPTER							
SCREW SPEED							
TORQUE	30-40	30-40	30-40				
DIE PRESS	30-40	30-40	30-40				
VACUUM	30	30	30				
DCA							
DCV							
FEED 1 RPM							
FEED 2 RPM							
FEED 3 RPM							
PUMP GPM							
RATE (PPHM)	31.6	30.2					
HAND MELT	33.9	33.6					
CUTTER SPD							

COMMENTS

EXPERIMENTER *Chase Burd* DATE 10-14-06
ATTENDED BY *Stephen R. Keehill* DATE 10-31-06

57 min diff.

BOOK PAGE E. I. du Pont de Nemours and Company
60-C, A DATE 10-30-06

E 111563- 36 PURPOSE PHYSICAL TESTING

JR NO. 1275 NB NO. D 100052	DATE 10-30-06	CYLINDER 6 U2 A
FOR MOLDING	CHARGE/SBU E-1	RAM SPEED FAIR
POLYMER TYPE ZENITE	SCREW 6-1	SCREW SPEED
MOLD 5" ASK (E-T)	NOZZLE 2 1/2"	BACK PRESS

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP A B	CYCLE B I H	PRESS BOOST INJ	MELT SWING KIPS
13-2	325	352	332	323	100 100	2 15 5	350	35

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"It's only

WITNESSED BY

Richt. Dr. Tsch.

DATE 10-30-06

DATE 11-1-06



DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Adcock, Dave

Date : 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A.

Date : 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.
Justification	

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	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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USING TEST FILE : 13-1 Ltst
DATE : 11/01/06

TEST DESCRIPTION

3100052-13-1

injection coated disc

SAMPLE ID : 13-1

SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
50.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	8854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESL04200.cal
USING TEST FILE : 13-1 Ltst

USING FIRST ORDER FIT

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK
AND A THERMAL RESISTANCE OF: 8.298308e-003 m2K/W
AT A TEMPERATURE OF: 50.78 C

0.365 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK
AND A THERMAL RESISTANCE OF: 8.183385e-003 m2K/W
AT A TEMPERATURE OF: 75.49 C

0.370 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C



DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Adcock, Dave

Date : 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A.

Date : 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.
2/26/2007 06:07:04 PM	Name: Harvey, Pat A. Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba
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Justification	
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Justification	

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TEST DESCRIPTION

3100052-13-1

injection molded disc

SAMPLE ID : 13-1

SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
50.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	6854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESL04200.cal

USING FIRST ORDER FIT

USING TEST FILE : 13-1.tst

SAMPLE ID : 13-1

SAMPLE THICKNESS : 3.030mm

CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.298308e-003 m2K/W
AT A TEMPERATURE OF : 50.78 C

0.365 W/mK

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AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

0.370 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C

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2/2

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-3) NO ANSWER

E-2) BUSY
E-4) NO FACSIMILE CONNECTION

PTO/SB/97 (09-06)

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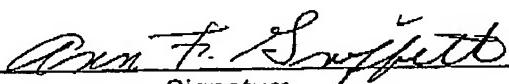
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REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-3) NO ANSWERE-2) BUSY
E-4) NO FACSIMILE CONNECTION

PTO/SB/97 (09-06)

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Express AbandonmentPage 1 of 2

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DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Mike J. Molitor

Date : 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave

Date : 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
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	Name: Pre-Sig Hash:
Justification	

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Sample # D100052	13-1
Zenite 6000	55
Jetfil Talc 575C	37
Carbon fiber Sigrafil	8

13-2

E. I. du Pont de Nemours and Company		
30-C		
DATE 10/17/61		
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Camp		
DATE 10/17/61		
E. I. du Pont de Nemours and Company		
110149-77		
J.R.N. 2006 - 010	DATE 10/17/61	TECHNICIAN AREA NOTEBOOK PG
RESEARCHER M. J. 101/17/61	SCREW SCREWS	NOTEBOOK PG 2006-10
BARREL 2	SIZE 1/4	SCREENS
DIE 1	ADAPTERS SP-17-S-J-A-17	
POLYMER 2	CHARGE CODE	
INTERLOCKS CHECKED		RUN STARTED COMPLETED
AUXILIARY EQUIPMENT USED Screw & die cutter, 1/4" feeder 2000 g Screws		CHUCK FEEDER CHANGE TO Screw & die cutter, 1/4" feeder 2000 g
SAMPLE #	SET 1	SET 2
TIME	ACTUAL	ACTUAL
I.T.	ACTUAL	ACTUAL
BARREL 2	300	310
BARREL 3	300	309
BARREL 4	300	308
BARREL 5	300	309
BARREL 6	300	307
BARREL 7	300	308
BARREL 8	300	308
BARREL 9	300	309
BARREL 10		
BARREL 11		
BARREL 12		
BARREL 13		
DIE	350	318
ADAPTER		
SCREW SPEED	150	250
CHOCUE	10-45	10-45
DIE PRESS	2.5-4.5	2.0-2.5
VACUUM	10	30
DOA		
REV		
FEED 1 PPH	4.0	19.0
FEED 2 PPH	4.0	6.0
FEED 3 PPH		
PUMP GPM		
RATE (PPH)	21.6	20.2
BARREL	859	866
HAND MET		
CUTTER SPD		
COMMENTS		
EXPERIMENTER <i>Stephen R. Reichelt</i>		DATE 10/17/61
WITNESSED BY <i>Stephen R. Reichelt</i>		DATE 10-31-61

57 m.y. diff.

BOOK	PAGE	E. I. du Pont de Nemours and Company						
		6 OZ. A INJECTION MOLDED						
E 111563- 36		DATE 10-30-66						
PURPOSE PHYSICAL TESTING								
JR NO 1275 NB NO D 150052 FOR MOLDING POLYMER TYPE REALITE MOLD 5/8" DISK (E-7)		DATE 10-30-66 CHARGE BU E.P. SCREW G.R. NOZZLE 2 7/8"	CYLINDER 6 67 A RAM SPEED FAIR SCREW SPEED - BACK PRESS 400					
SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP A B	CYCLE S I H	PRESS. BOOST INJ	MELT RATE KPH
13-2	325	352	332	323	100 100	2 15 15	350 250	363

EXPERIMENTER John W. G.
WITNESSED BY Rahel L. T. Gold

DATE 10-30-06

DATE 10-1-06



DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit :Engineering Polymers

Author Name : Adcock, Dave

Date : 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A.

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2/26/2007 05:57:03 PM	Name: Adcock, Dave Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba
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	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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TEST DESCRIPTION

31C0052-13-1

infrared bonded disc

SAMPLE ID : 13-1

SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
50.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
75.1	65.9	58.4	49.3	19.74	8854.4	0.233231
65.2	72.0	65.6	54.7	18.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESL04200.cal

USING FIRST ORDER FIT

USING TEST FILE : 13-1.tst

SAMPLE ID : 13-1

SAMPLE THICKNESS : 3.030mm

CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.298308e-003 m2K/W
AT A TEMPERATURE OF : 50.78 C

0.365 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

0.370 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C



DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Mike J. Molitor

Date : 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave

Date : 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 08:03:05 PM	Name: Adcock, Dave Pre-Sig Hash: 4004778267dalf14aed9d10dd217ba30817d5b91
Justification	By entering your password you will be signing to say that you have witnessed the information contained in this document

	Name: Pre-Sig Hash:
Justification	

	Name: Pre-Sig Hash:
Justification	

	Name: Pre-Sig Hash:
Justification	

	Name: Pre-Sig Hash:
Justification	

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Sample # D100052

13-1

13-2

Zenite 6000

55

Jetfil Talc 575C

37

Carbon fiber Sigrafil

8

Loc

E. I. du Pont de Nemours and Company
E. I. du Pont de Nemours and Company

FILE # 50-C DATE 10/17/06 CAMP E 110149-77

PURPOSE

J.R.N. 2005 - 016 DATE 10/17/06 TECHNICIAN L. CRAVEN NOTEBOOK PG

RESEARCHER M. J. GIBSON NOTEBOOK PG E. DURANT 13

BARREL 2 SCREW SCREEN

DIE SIZE 7/16 ADAPTERS 1/2" TPI X 10MM FLANGE

POLYMER 2 PARTS 1/2" CHARGE CODE

INTERLOCKS CHECKED RUN STARTED/COMPLETED

AUXILIARY EQUIPMENT USED OUTLINE TESTER, CHARGE TO 500 g
SCREW CUTTER, SCREW FEEDER, PLATE

SAMPLE #	SET 1	SET 2	SET 3	SET 4	SET 5	SET 6	SET 7	SET 8
PT.	SET PTS	ACTUAL						
BARREL 2	340	347	352					
BARREL 3	340	309	307					
BARREL 4	340	324	325					
BARREL 5	340	309	324					
BARREL 6	340	327	326					
BARREL 7	340	340	338					
BARREL 8	340	341	339					
BARREL 9	340	340	339					
BARREL 10								
BARREL 11								
BARREL 12								
BARREL 13								
DIE	350	374	328					
ADAPTER								
SCREW SPEED	250	250	250					
TOQUE	27-61	27-61	27-61					
DIE PRESS	27-5	20-2	20-2					
VACUUM	30	30	30					
DCA								
DOV								
FEED 1 RPM								
FEED 2 RPM	44.0	44.0	44.0					
FEED 3 RPM	6.0	6.0	6.0					
RUMP GPM								
RATE (PPH)	21.6	20.2	20.2					
PANEL TEMP	257	260	260					
HAND MELT								
CUTTER SPD								
COMMENTS								
EXPERIMENTER	<i>Stephen R. McBethell</i>							
WITNESSED BY	<i>Stephen R. McBethell</i>							
DATE	10/17/06							
DATE 10-31-06								

57 min diff.

BOOK PAGE E. I. du Pont de Nemours and Company

FILE 6 DA. A INJECTION RECORDS DATE 10-30-06

E 111563- 36 PURPOSE PHYSICAL TESTING

JR NO 1275 NB NO D 100052	DATE 10-30-06	CYLINDER 6 U2 A
FOR AUCTION	CHARGE/SU 5-7	RAM SPEED 6417
POLYMER TYPE ZENITE	SCREW 6.4	SCREW SPEED -
MOLD 5/8" AVIC (E-7)	NOZZLE 2 7/8"	BACK PRESS 444

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP A/B	CYCLE S/I/H	PRESS. BOOST: INJ	MELT	SCREW RPM
13 - 2	325	352	332	323	100/100	2/15/15	350/250		360

Co-reply fax to 302 992 3257 COMPANY:

Auto-Reply Facsimile Transmission



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PAGE 1D * RCV'D AT 4/2/2007 10:58:11 AM [Eastern Daylight Time] * SVR:USPTO-EFTRF-3/1 * DIBS:2738300 * CSID:302 992 3257 * DURATION/(mm:ss):01:38

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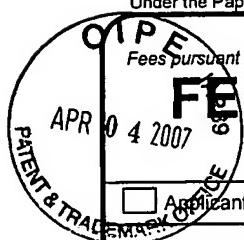
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

Fee Transmittal For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)
130.00

Complete if Known	
Application Number	11/438518
Filing Date	May 22, 2006
First Named Inventor	Michael Robert Samuels, Et Al.
Examiner Name	Quang T. Van
Art Unit	3742
Attorney Docket No.	AD6900USCNT

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: **04-1928** Deposit Account Name: **E. I. du Pont de Nemours and Company**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments

under 37 CFR 1.16 and 1.17

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)	
	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)		
Utility	<input type="checkbox"/>	300	<input type="checkbox"/>	150	<input type="checkbox"/>	200	100	0.00
Design	<input type="checkbox"/>	200	<input type="checkbox"/>	100	<input type="checkbox"/>	130	65	0.00
Plant	<input type="checkbox"/>	200	<input type="checkbox"/>	100	<input type="checkbox"/>	160	80	0.00
Reissue	<input type="checkbox"/>	300	<input type="checkbox"/>	150	<input type="checkbox"/>	600	300	0.00
Provisional	<input type="checkbox"/>	200	<input type="checkbox"/>	100	<input type="checkbox"/>	0	0	0.00

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity	Fee (\$)	Fee (\$)
- 20 or HP =	x 50.00	=		50	25	

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x 200.00	=		YES <input type="checkbox"/>	360.00	

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

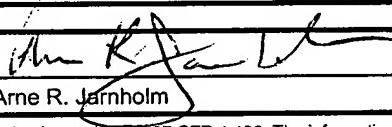
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number)	x 250.00	=

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Terminal Disclaimer Fees Paid (\$) 130.00

SUBMITTED BY

Signature		Registration No. 30,396 (Attorney/Agent)	Telephone (302) 992-2394
Name (Print/Type)	Arne R. Jarnholm		Date 4-02-07

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